

Rain: A History for Stormy Times



Cynthia Barnett

(Twitter: [@cynthiabarnett](https://twitter.com/cynthiabarnett))

SE FL Regional Climate Leadership Summit

December 2nd 2015

Key West, Florida

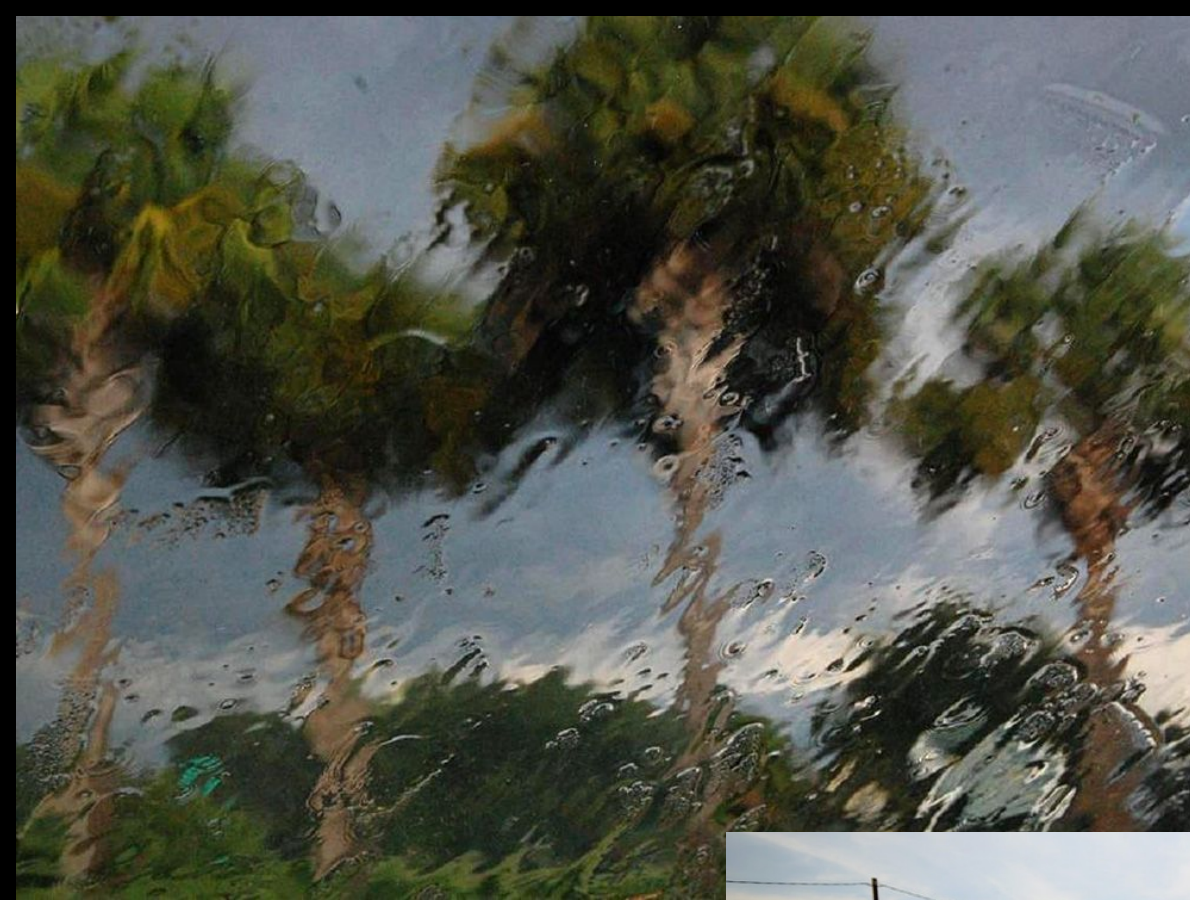


RAIN

A
NATURAL
AND
CULTURAL
HISTORY

CYNTHIA
BARNETT





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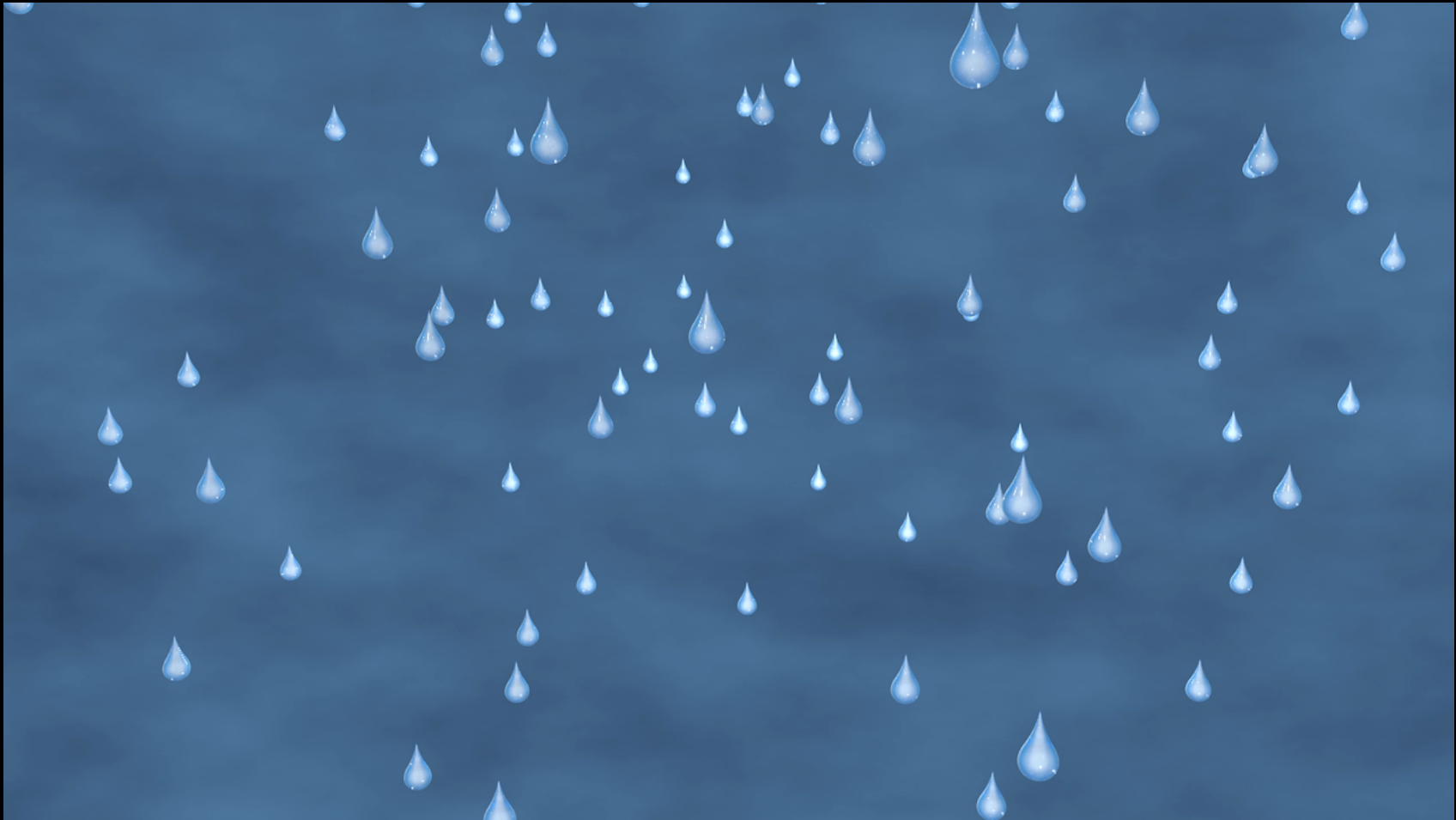
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Russ Tychonick @rtychonick · Aug 12

Books I won't be reading this month: "Rain: a Natural and Cultural History."









i just hate
when it rains

(i just hate rain memes)











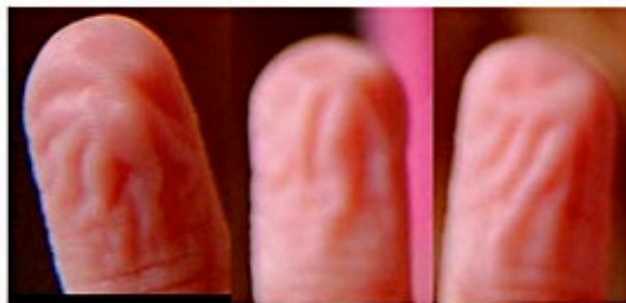


Early Hominid Sites of Africa

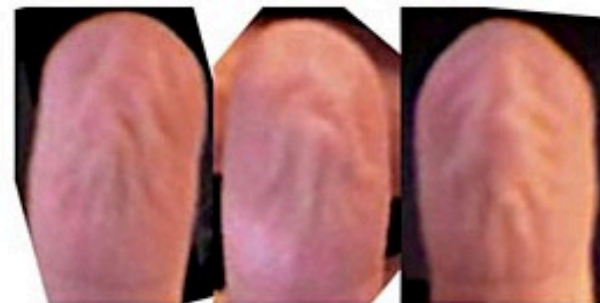




1ab



2abc



3abc



4ab



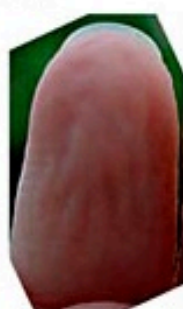
5ab



6ab



7a



8a



9ab



10ab



11abc

Early River Valley Civilizations



Early River Valley Civilizations









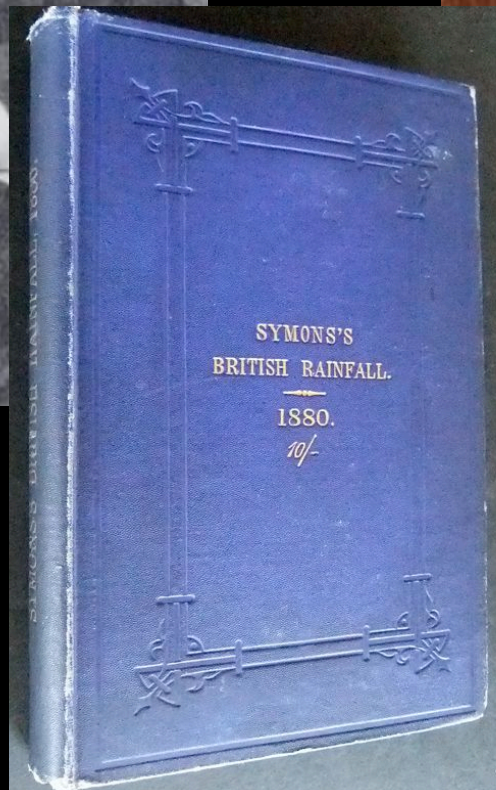
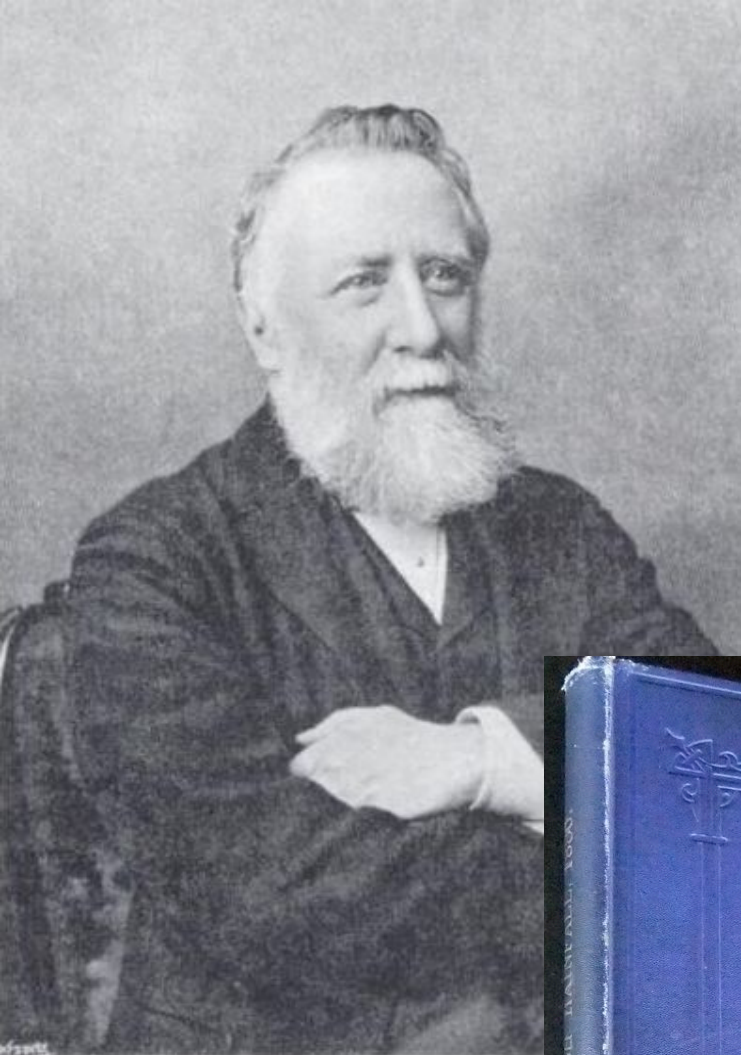
THE DELUGE.













July 1	66	S	r	181A.	72	N	car	= .5076
2	66	E	r		69	NE	r	
3	65	W	car	= .738	80	W	t	
4	70	NW	t		83	SW	t	
5	70	NW	far	= .0276	86	E	t	+
6	74	SW	t		89	S	t	
7	72	N	t		83	N	t	
8	65	N	t		77	SE	t	
9	64	S	car	= .0180	73	S	t	
10	67	W	t		73	N	t	
11	69	W	t		82	N	t	
12	67	W	t		78	N	t	
13	60	N	t		74	SW	t	
14	63	W	t		81	W	t	
15	69	W	t		87	SW	t	
16	73	SW	t		87	S	t	
17	76	S	t		87	SW	t	
18	74	NW	car	= .0188	74	NE	c	
19	68	NE	t		81	E	t	
20	67	SE	t		76	SW	c	
21	68	SW	t		84	W	c	
22	64	NW	t		78	N	t	
23	63	NW	t		80	SW	t	
24	69	W	t		84	SW	t	
25	74	W	t		89	NW	t	
26	67	S	far	= .2080	81	NW	c	
27	68	N	t		82	SW	c	
28	68	SW	t		70	SE	r	
29	69	NW	car	= 12.126 in 20 hours	80	W	t	
30	70	NE	t		82	S	t	
31	71	SW	t		84	NW	t	
Aug 1	70	W	t		86	S	c	
2	73	W	far	= .517	86	W	car	= .0235
3	73	W	t		86	SW	t	
4	72	SW	t		87	SW	t	
5	72	N	car	= .8084	72	NE	r	
6	86	NE	t		72	NE	t	
7	70	S	car	= .7494	84	S	t	
8	73	SW	far	= .041	79	N	t	
9	70	N	t		80	W	t	
10	67	NW	t		80	SW	t	
11	68	NW	t		85	N	t	+
12	76	NW	c		86	SW	t	
13	73	NW	t		87	S	t	
14	78	NW	t		86	S	t	
15	73	SW	t		87	NW	t	+
16	68	S	t		87	NW	t	
17	72	NW	t		87	E	t	
18	72	N	c		84	N	t	
19	70	NW	t		85	NE	t	
20	72	W	t		88	SW	t	
21	63	N	t		74	N	t	
22	56	N	t		70	NE	t	
23	56	N	t		73	SW	t	+
24	58	SW	t		84	SW	t	
25	70	N	c		72	SW	car	= .4589
26	67	N	c		73	E	c	
27	69	S	c		79	S	far	= .0272
28	72	SW	far	= .7914	81	NW	t	
29	69	NW	t		74	N	car	= .3102
30	68	E	c		79	E	t	
31	68	E	far		81	E	t	
31	29	NW	t		40	NW	t	

rains of this month 13.658

first in Nelson's Rain gauge

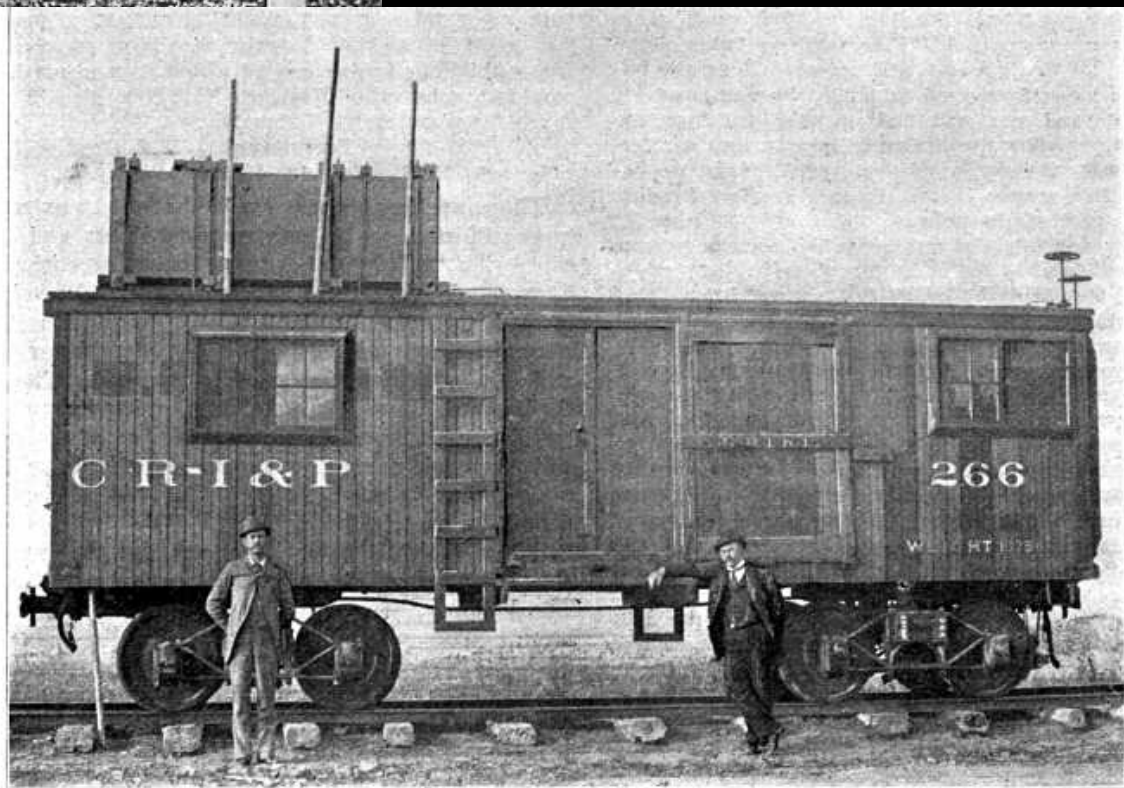
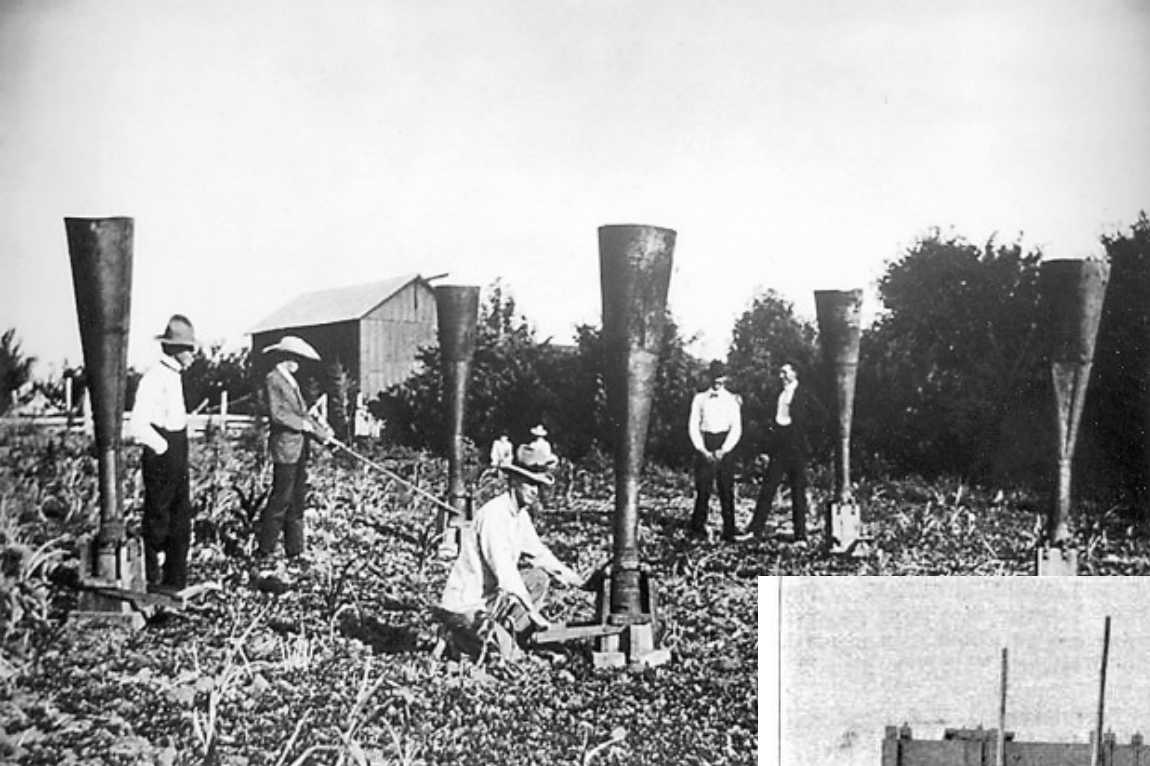
rains of this month 3.37

rains of this month 3.658

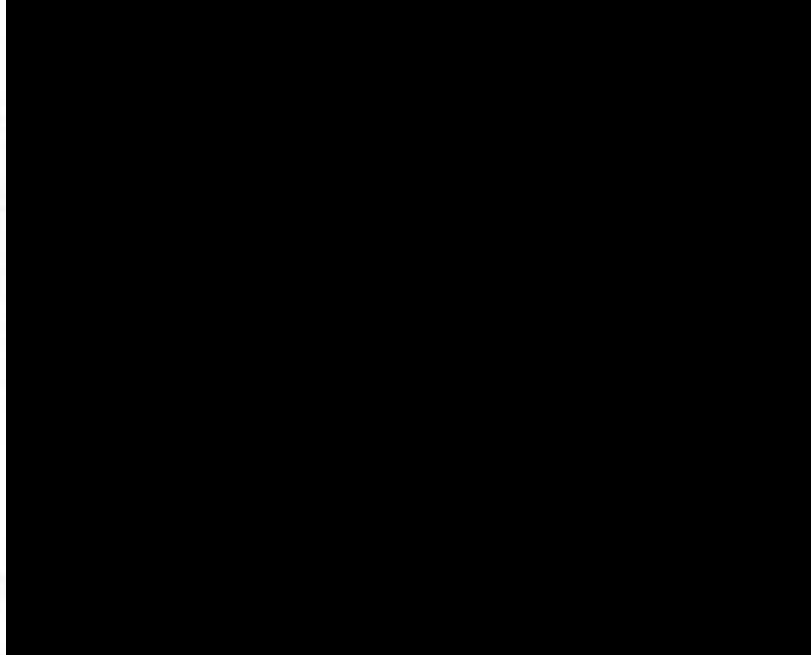








LABORATORY CAR USED BY THE CHICAGO, ROCK ISLAND & PACIFIC RY. CO. IN ITS RAINMAKING EXPERIMENTS.







Victims of the 1927 Mississippi River flood seek refuge on a levee



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"After You've Gone"
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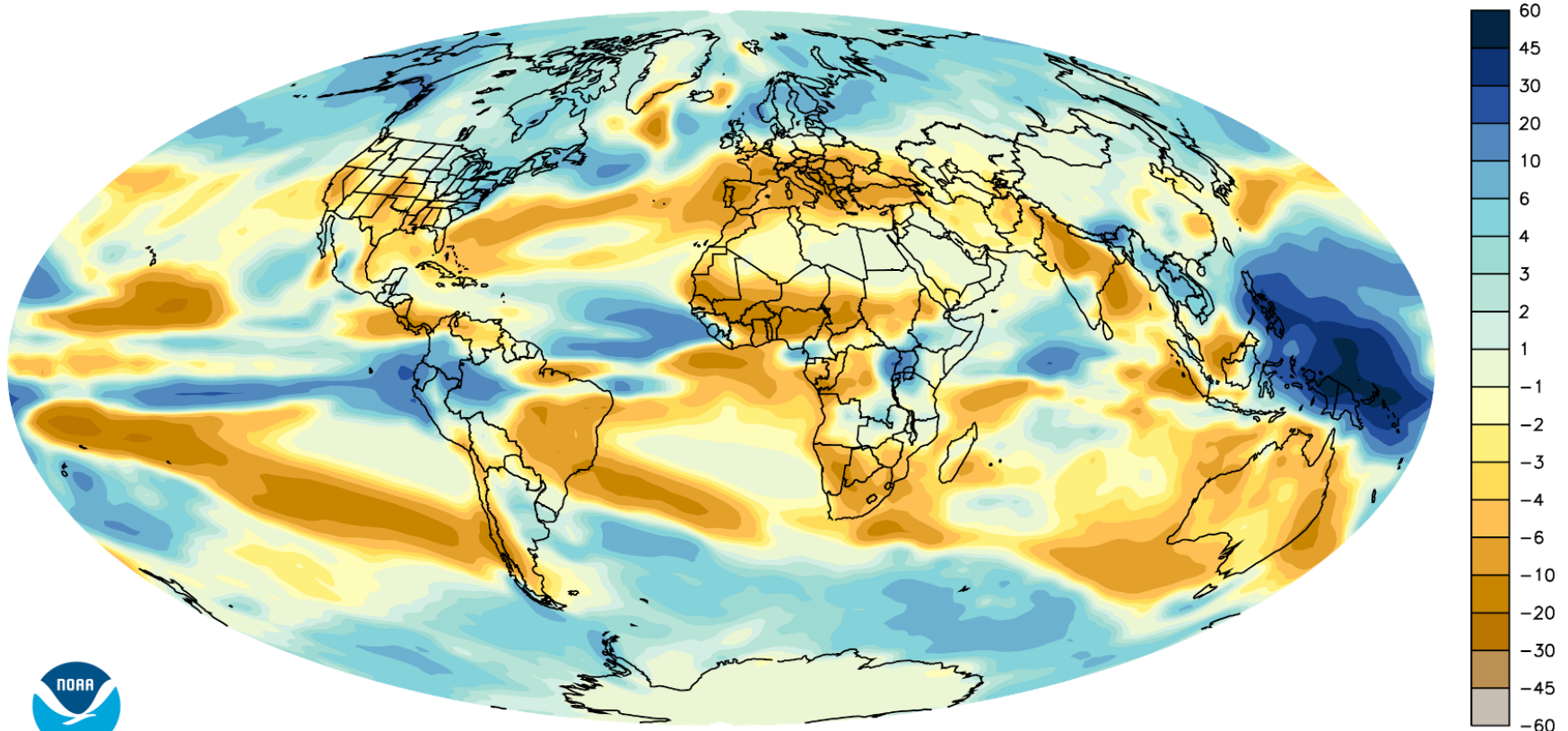
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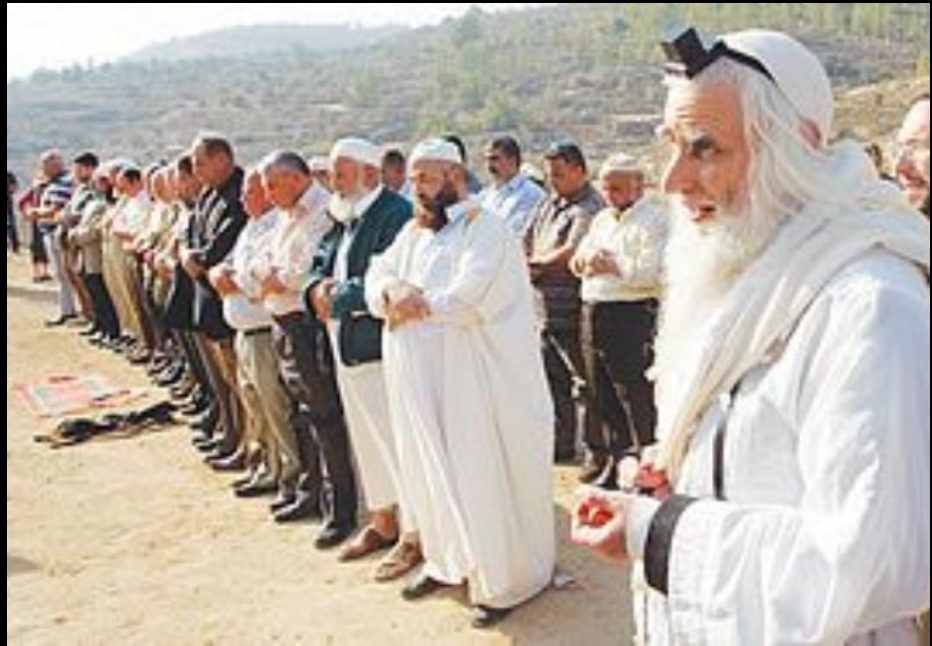


CHANGE IN PRECIPITATION BY END OF 21st CENTURY

inches of liquid water per year



as projected by NOAA/GFDL CM2.1



Sources, credits, and thanks:

Raindrop animations by Zach Castedo.

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“Change in Precipitation by End of the 21st Century,” map, NOAA.

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