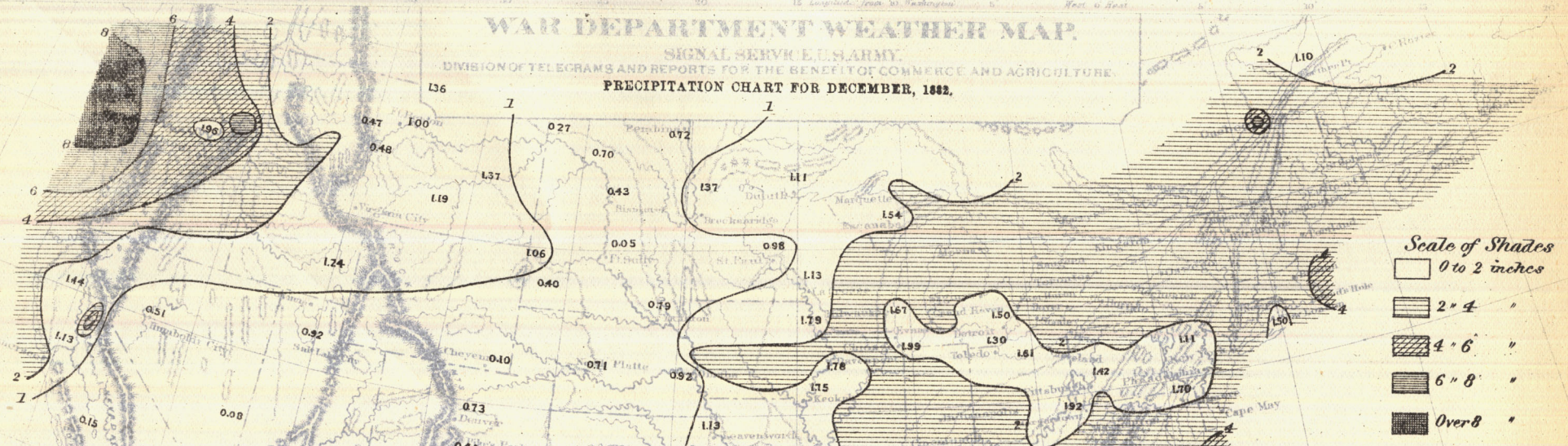
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

DIVISION OF TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

PRECIPITATION CHART FOR DECEMBER, 1882.



AVERAGE PRECIPITATION FOR DECEMBER, 1882.

DISTRICTS.	Average for Dec., Signal Service Observations. For several years.	For 1882.	Comparison of Dec., 1882, with the average for several years.
	Inches.	Inches.	Inches.
New England	3.34	3.00	0.34 deficiency.
Middle Atlantic states	3.69	3.21	0.48 deficiency.
South Atlantic states	4.42	4.80	0.38 excess.
Florida peninsula	2.70	3.15	0.45 excess.
Eastern Gulf states	5.50	4.30	1.20 deficiency.
Western Gulf states	3.57	2.54	1.03 deficiency.
Rio Grande valley	0.80	0.31	0.49 deficiency.
Tennessee	4.98	2.08	2.90 deficiency.
Ohio valley	3.84	2.04	1.80 deficiency.
Lower lake region	2.91	3.05	0.14 excess.
Upper lake region	1.86	2.12	0.26 excess.
Extreme northwest	0.81	0.77	0.04 deficiency.
Upper Miss. valley	1.61	1.72	0.11 excess.
Missouri valley	1.04	0.72	0.32 deficiency.
Northern slope	0.58	0.64	0.06 excess.
Southern slope	1.52	0.34	1.18 deficiency.
Northern plateau	1.48	1.73	0.25 excess.
Middle plateau	1.29	0.50	0.79 deficiency.
Southern plateau	0.92	0.16	0.76 deficiency.
North Pacific coast	6.47	13.34	6.87 excess.
Middle Pacific coast	5.67	1.53	4.14 deficiency.
South Pacific coast	1.53	0.09	1.44 deficiency.
Mt. Washington, N. H	5.79	2.64	3.15 deficiency.
Pike's Peak, Colo	1.35	0.44	0.91 deficiency.
Denver, Colo	0.56	0.73	0.17 excess.

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W. B. Hazen

BRIG. & BVT. MAJ. GEN'L, CHIEF SIGNAL OFFICER, U. S. A.

HEIGHTS OF RIVERS ABOVE LOW-WATER MARK, DECEMBER, 1882.

STATIONS.	Danger point on gauge.	HIGHEST WATER. Date.	HIGHEST WATER. Height.	LOWEST WATER. Date.	LOWEST WATER. Height.
	ft. in.	Dec.	ft. in.	Dec.	ft. in.
RED RIVER.					
Shreveport, La	29 9	11	22 9	31	16 0
ARKANSAS.					
Little Rock, Ark	— -	24, 25	5 2	19, 20	— 0 4*
Fort Smith, Ark	— -	22	— 1 11*	17, 18	— 3 6*
MISSOURI.					
†Yankton, Dak	20 0	.....	.....	.....	.....
Omaha, Neb	16 0	1	3 4	3 to 6	3 0
Leavenworth, Kan	21 0	19	5 9	14	1 4
MISSISSIPPI.					
‡Saint Paul, Minn	14 6	2, 3	2 11	1	2 9
‡La Crosse, Wis	18 0	1, 2	2 10	4, 5	2 6
‡Dubuque, Iowa	21 10	1	6 4	7	4 1
‡Davenport, Iowa	15 0	22, 23	9 5	8	3 5
‡Keokuk, Iowa	14 6	31	12 4	12	3 0
Saint Louis, Mo	30 0	1	10 8	18	2 10
Cairo, Ill	40 0	30, 31	16 1	18, 19	7 4
Memphis, Tenn	34 0	31	10 9	22	3 7
Vicksburg, Miss	41 0	1	13 7	26	7 7
§New Orleans, La	— 2 6	5, 6, 22	—11 7	28, 30, 31	—12 8
Port Eads, La	— -	20	10 1	1	8 3
OHIO.					
Pittsburgh, Pa	20 0	12	7 6	3, 4	1 8
Cincinnati, Ohio	50 0	29	16 8	1	8 0
Louisville, Ky	24 0	23, 29	8 6	1, 2, 3	5 6
CUMBERLAND.					
Nashville, Tenn	42 0	28, 29	8 8	1	3 9
TENNESSEE.					
Chattanooga, Tenn	31 0	25	10 0	9, 10	2 3
MONONGAHELA.					
Pittsburgh, Pa	29 0	12	7 6	3, 4	1 8
‡Morgantown, W. V	28 0	11	9 9	1	0 9
SAVANNAH.					
Augusta, Ga	— -	23	21 6	10	5 5
WILLAMETTE.					
Portland, Or	— -	16	18 6	5	2 0
Umatilla, Or	— -	16	7 7	2	2 6
SACRAMENTO.					
Red Bluff, Cal	— -	23	4 3	7	1 2
Sacramento, Cal	— -	26	10 9	1 to 17	8 6
MOBILE.					
Mobile, Ala	— -	20	17 4	24, 26, 28	15 0
COLORADO.					
Yuma, Ariz	— -	31	16 1	17 to 20	15 7

* Below bench mark. † Frozen.
‡ Observations incomplete—see text.
§ Below high water mark of 1874.