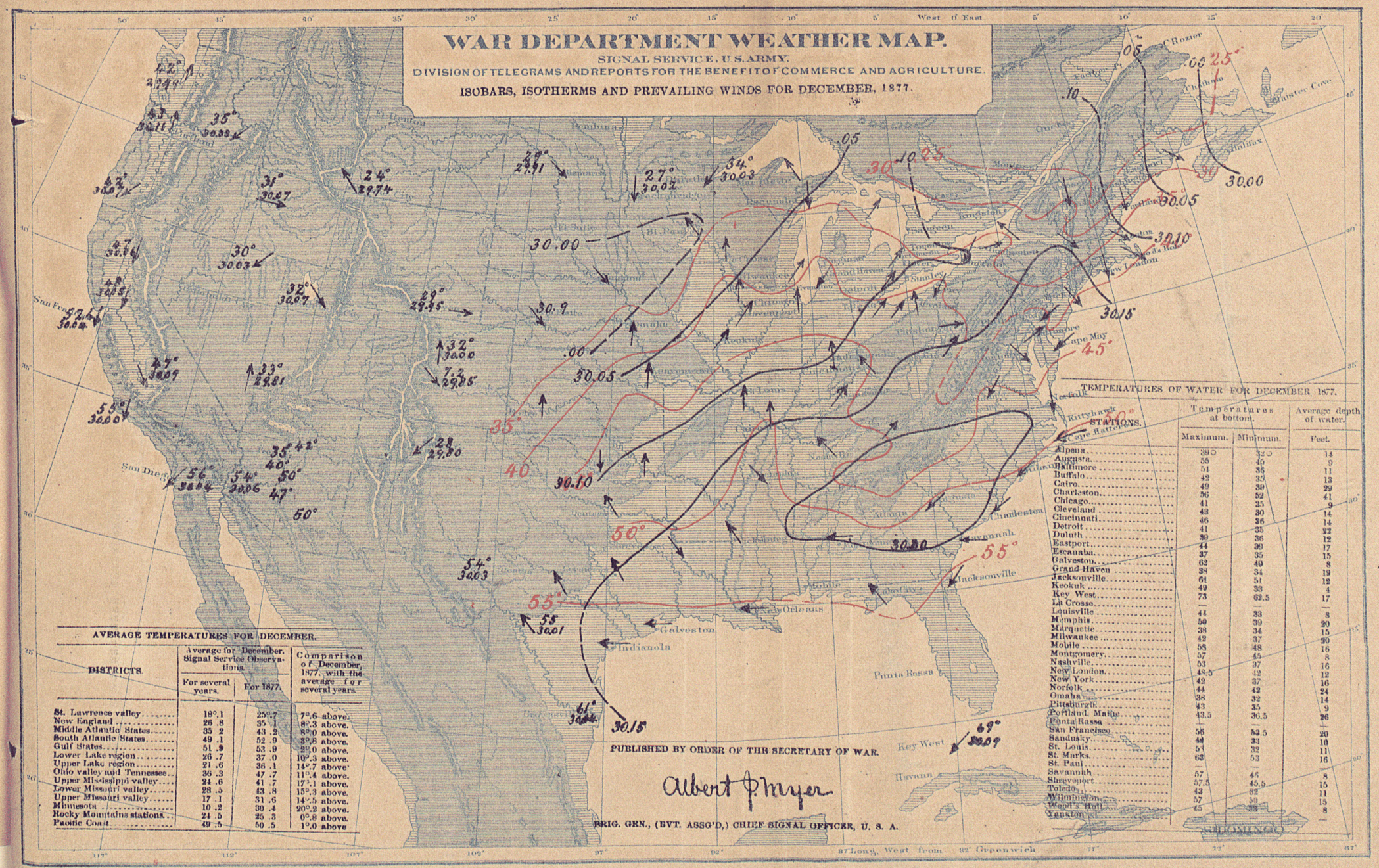
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

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

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR DECEMBER, 1877.



AVERAGE TEMPERATURES FOR DECEMBER.

DISTRICTS.	Average for December. Signal Service Observations. For several years.	For 1877.	Comparison of December, 1877, with the average for several years.
St. Lawrence valley	18°.1	25°.7	7°.6 above.
New England	26 .8	35 .1	8°.3 above.
Middle Atlantic States	35 .2	43 .2	8°.0 above.
South Atlantic States	49 .1	52 .9	3°.8 above.
Gulf States	51 .9	53 .9	2°.0 above.
Lower Lake region	26 .7	37 .0	10°.3 above.
Upper Lake region	21 .6	36 .1	14°.7 above.
Ohio valley and Tennessee	36 .3	47 .7	11°.4 above.
Upper Mississippi valley	24 .6	41 .7	17°.1 above.
Lower Missouri valley	28 .5	43 .8	15°.3 above.
Upper Missouri valley	17 .1	31 .6	14°.5 above.
Minnesota	10 .2	30 .4	20°.2 above.
Rocky Mountains stations	24 .5	25 .3	0°.8 above.
Pacific Coast	49 .5	50 .5	1°.0 above

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

Albert J. Myer

BRIG. GEN., (BVT. ASSG'D,) CHIEF SIGNAL OFFICER, U. S. A.

TEMPERATURES OF WATER FOR DECEMBER 1877.

STATIONS.	Temperatures at bottom. Maximum.	Minimum.	Average depth of water. Feet.
Alpena	39.0	32.0	14
Augusta	55	46	9
Baltimore	51	38	11
Buffalo	42	33	13
Cairo	49	39	29
Charleston	56	52	41
Chicago	41	35	9
Cleveland	43	30	14
Cincinnati	46	36	14
Detroit	41	35	22
Duluth	30	36	12
Eastport	44	39	17
Escanaba	37	35	15
Galveston	62	49	8
Grand Haven	38	34	19
Jacksonville	66	51	12
Keokuk	49	33	4
Key West	73	62.5	17
La Crosse	—	—	—
Louisville	44	33	8
Memphis	50	39	20
Marquette	38	34	15
Milwaukee	42	37	20
Mobile	58	48	16
Montgomery	57	45	8
Nashville	53	37	16
New London	48.5	42	12
New York	42	37	16
Norfolk	44	42	24
Omaha	38	32	14
Pittsburgh	43	35	9
Portland, Maine	43.5	36.5	26
Punta Rassa	—	—	—
San Francisco	56	52.5	20
Sandusky	42	31	10
St. Louis	54	32	11
St. Marks	63	53	16
St. Paul	—	—	—
Savannah	57	46	8
Shreveport	57.5	45.5	15
Toledo	43	32	11
Wilmington	57	50	15
Wood's Hall	45	33	8
Yankton	—	—	—